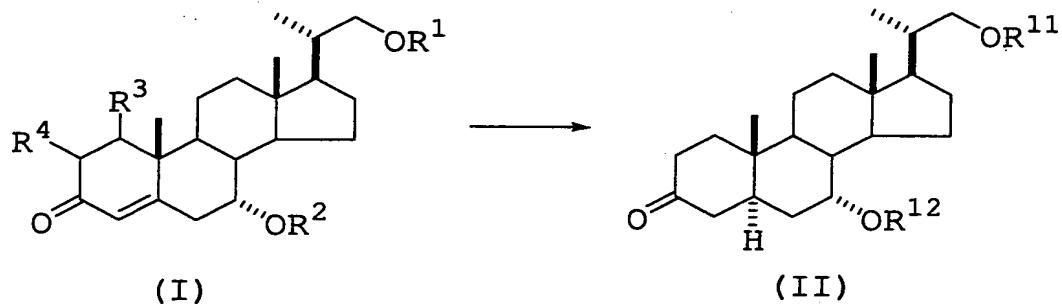


## Abstract

The present invention relates to a method of producing 5 $\alpha$ -pregnane derivatives represented by the formula (II), which is characterized by reacting a pregnane derivative represented by the formula (I) with a metal selected from alkali metals and alkaline earth metals in the presence of a proton donor and an amine and/or ammonia. According to the present invention, a method capable of producing 5 $\alpha$ -pregnane derivatives useful as synthetic intermediates for squalamine, in a high yield from easily available raw materials, can be provided:



wherein R<sup>1</sup> is a hydroxyl-protecting group, and R<sup>2</sup>, R<sup>11</sup> and R<sup>12</sup> are each independently a hydrogen atom or a hydroxyl-protecting group and R<sup>3</sup> and R<sup>4</sup> are each hydrogen atoms in combination form a bond.